

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	105	("6215874" "6215874" "6154310" "4972147" "5267019" "5694504" "5742071" "6016214" "4356398" "4369367" "4626783" "4628355" "4843321" "4962357" "5204678" "5311534" "5339189" "5345456" "5532594" "5655034" "5778113" "5859892" "5946092" "5991471" "6137572" "6215800" "6215800" "3593141" "3701005" "4129882" "4272782" "4280095" "4303985" "4309108" "4366471" "4371850" "4385387" "4394737" "4398213" "4414663" "4438521" "4467197" "4475038" "4515472" "4515471" "4528525" "4536089" "4549135" "4611915" "4629894").pn.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 13:49
S2	93	S1 and @ad<"19980924"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 13:50
S3	83	S2 and (light or beam or signal)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/08/15 13:01
S4	57	S3 and (quantum)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/08/15 13:06
S5	4	S4 and (key or \$2cipher\$3 or \$2crypt\$8)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/08/15 13:10
S6	1696	(quantum with \$2cipher\$3) or (quantum with communicat\$3)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/08/15 13:11

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S7	722	S6 and @ad<"19980924"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/08/15 13:11
S8	0	S7 and "phase difference" with "homodyne"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/08/15 14:20
S9	0	S7 and ((detect\$3 or determin\$3) with (evesdrop\$4))	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/08/15 13:13
S10	98	S7 and ((light or laser or lazer or beam) with (divi\$4 or split\$4))	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/08/15 14:21
S11	32	S10 and (mirror)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/08/15 14:20
S12	70	"phase difference" with "homodyne"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/08/15 14:20
S13	38	S12 and @ad<"19980924"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/08/15 14:38
S14	32	S13 and (light or laser or lazer or beam)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/08/15 14:23

## EAST Search History

S15	5	S14 and (key or random or cipher\$3 or \$2crypt\$8)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/08/15 14:29
S16	0	(photoconductor or photodiode) with (silicon and InGaAs)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/08/15 14:30
S17	11	(photoconductor or photodiode) with (InGaAs)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/08/15 14:30
S18	6	S17 and @ad<"19980924"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/08/15 14:32
S19	4	quantum with (communicat\$3 or cipher\$3) with ("phase difference")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/08/15 14:33
S20	0	S19 and @ad<"19980924"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/08/15 14:33
S21	8	S13 and "linear polarization"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/08/15 14:40
S22	44	quantum with (key with (mak\$3 or creat\$3))	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/08/15 14:59

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S23	2	S22 and @ad<"19980924"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/08/15 14:59
S24	5	quantum with (("random number") with (mak\$3 or creat\$3))	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/08/15 14:59
S25	205	quantum with (("random number" or key) with (mak\$3 or creat\$3 or generat\$3))	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/08/15 14:59
S26	32	S25 and @ad<"19980924"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/08/15 15:00
S27	30	S26 and (light or beam or signal or lazer or laser)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/08/15 15:00
S28	107	quantum adj key adj distribution	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/08/16 08:45
S29	16	S28 and @ad<"19980924"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/08/16 08:43
S30	13	S29 and eavesdrop\$4	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/08/16 08:44

## EAST Search History

S31	62	(quantum adj key) and eavesdrop\$4	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/08/16 08:45
S32	14	S31 and @ad<"19980924"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/08/16 08:45
S33	14	S32 and (light or laser or beam)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/08/16 08:46
S34	3	S33 and (phase adj difference)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/08/16 08:46
S35	2	"4531216".pn.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/08/16 15:40
S36	10	"balanced homodyne detector"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/08/17 09:23
S37	5	S36 and @ad<"19980924"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/08/17 09:23
S38	8	("6188768" or "6272224" or "5675648" or "5665423").pn.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/08/18 17:43

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S39	7396	380/255-256,259-260,277-279,54.ccls. or 713/100,164,168,171.ccls. or 726/22-23,25.ccls. or 398/204.ccls.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 12:40
S40	1899	S39 and @ad<"19980924"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 12:41
S41	173721	(add\$3 with phase)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 12:41
S42	1350	S41 and ((intense or strong or reference) adj (light or beam or laser or lazer))	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 12:42
S43	285	S42 and ((signal or weak) adj (light or beam or laser or lazer))	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 12:42
S44	123	S43 and @ad<"19980924"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 12:42
S45	0	S44 and ((detect\$3 or determin\$3 or calculat\$3) with (eavesdrop\$4) with (quantum with distribution))	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 12:43
S46	1	S40 and ((detect\$3 or determin\$3 or calculat\$3) with (eavesdrop\$4) with (quantum with distribution))	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 12:44

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S47	0	S41 and ((detect\$3 or determin\$3 or calculat\$3) with (eavesdrop\$4) with (quantum with distribution))	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 12:45
S48	1936	quantum with distribution	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 12:45
S49	632	S48 and @ad<"19980924"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 12:48
S50	277	S49 and (phase)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 12:45
S51	16	S50 and S40	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 12:48
S52	6	(phase with difference) with (eavesdrop\$4)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 12:50
S53	5	S52 and @ad<"19980924"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 12:50
S54	3271	(phase with difference) with bit	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 12:50

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S55	1658	S54 and @ad<"19980924"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 12:50
S56	0	S55 and S48	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 12:50
S57	6	S55 and S40	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 12:52
S58	2	S43 and S40	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 12:52
S59	3933	add\$3 with (phase adj difference)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 13:50
S60	14	(phase adj difference) with (probability with distribution)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 13:50
S61	0	S59 and S60	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 13:50
S62	5	S60 and @ad<"19980924"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 14:10



## EAST Search History

S63	2	(detect\$3 or determin\$3) with (eavesdrop\$4) with (probability with distribution)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 14:09
S64	4	(eavesdrop\$4) with (probability with distribution)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 14:27
S65	0	S64 and @ad<"19980924"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 14:30
S66	3644	(detect\$3 or determin\$3) with (probability with distribution)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 14:09
S67	89	(detect\$3 or determin\$3) with (probability with distribution) with change	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 14:10
S68	20	S67 and ((phase or signal) with difference)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 14:10
S69	5	S68 and @ad<"19980924"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 14:11
S70	18	(eavesdrop\$4) with (quantum with distribution)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 14:30

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S71	1	S70 and @ad<"19980924"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 14:11
S72	39	(eavesdrop\$4) with (detect\$3 or determin\$3) with random\$4	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 14:29
S73	10	S72 and @ad<"19980924"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 14:29
S74	3	(eavesdrop\$4) with (detect\$3 or determin\$3) with (high) with error	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 14:29
S75	1	S74 and @ad<"19980924"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 14:29
S76	156	(eavesdrop\$4) with (quantum)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 14:30
S77	22	S76 and @ad<"19980924"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 14:34
S78	4	S77 and (random or probability) with (distribution)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 14:30

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they do not provide a **quantum distribution** function. On the other hand, methods that employ the Wigner formalism can provide the **quantum distribution** ...

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**Quantum distribution** functions for radial observables. Author: Twamley J. Source: Journal of Physics A: Mathematical and General, 1998, vol. 31, no. 20, pp. ...

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**Quantum mechanics** methods are based on the following principles: ... gives the **probability** density of finding an electron at a given point in space. ...

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standard methods of **quantum mechanics** we can obtain a **probability distribution** for the result of any measurement at any time. For example ...

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### **Thall's History of Quantum Mechanics**

**Probability Density** In 1926, after his student Werner Heisenberg had formulated the first laws of **quantum mechanics**, Born collaborated with him to develop ...

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LD Landau and EM Lifshitz, **Quantum Mechanics** (Pergamon, New York, 1958) [ADS]. ...  
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2.4 **Probability Distribution** Functions for a Density Operator. 2.4.1 Diagonal  $P(\alpha)$   
**Distribution** ... 3.4.2 **Quantum Theory of Photon Count Distribution** ...  
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How does **quantum mechanics** help us to deal with this "absurd" result? In the **quantum** world, ... Neither does the phase-space **probability distribution**. ...  
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A **probability distribution** of the phase-averaged electric field amplitudes with a ... single-photon detector (**quantum** efficiency 60%, dark. **count** rate , 15 s ...  
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first direct application of **quantum mechanics**. It provides a way of ... counts are no longer negligible compared to the signal **photon count** ...  
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